



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

Inventors : Caibin Xiao et al.  
Serial No. : 10/760,438  
Filed : January 20, 2004  
Title : **A Handheld Device with a  
Disposable Element for Chemical  
Analysis of Multiple Analytes**  
Docket No. : 020354 076P2  
Customer No.:33805

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**

Pursuant to 37 C.F.R. 1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO/SB/08A. One copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This information disclosure statement, filed in accordance with 37 C.F.R. 1.97, shall not be construed as a representation that a search has been made. Further, the filing of this information disclosure statement shall not be construed to be an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b).

XX 1. This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

       2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.

       a. Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(1).

       b. No item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

April 13, 2004

(Date of Deposit)

**Barbara Ann Sachs**

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to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(2).

\_\_\_\_\_ c. Attached is our check no. \_\_\_\_\_ in the amount of \$180.00 in payment of the fee under 37 C.F.R. 1.17(p). Please credit or debit Deposit Account No. 05-2431 as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.

\_\_\_\_\_ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. It is hereby requested that the Information Disclosure Statement be considered. Attached is our check no. \_\_\_\_\_ in the amount of \$130.00 in payment of the fee under 37 C.F.R. 1.17(i)(1). Please credit or debit Deposit Account No. 50-2431 as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.

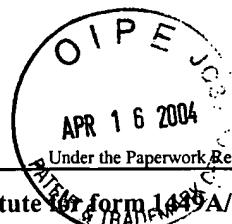
\_\_\_\_\_ a. Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(1).

\_\_\_\_\_ b. No item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(2).

Respectfully submitted,  
WEGMAN, HESSLER & VANDERBURG

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April 13, 2004



Substitute for form 169A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				Complete if Known	
Sheet	1	of	2	Application Number	10/760,438
				Filing Date	January 20, 2004
				First Named Inventor	Caibin Xiao
				Art Unit	
				Examiner Name	
				Attorney Docket Number	020354 076P2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-3,799,672	03-26-1974	Vurek	
		US-4,050,895	09-27-1977	Hardy et al.	
		US-4,225,410	09-30-1980	Pace	
		US-4,760,250	07-26-1988	Loeppert	
		US-5,114,859	05-19-1992	Kagenow	
		US-5,156,972	10-20-1992	Issachar	
		US-5,298,428	03-29-1994	O'Rourke et al.	
		US-5,631,170	05-20-1997	Attridge	
		US-5,738,992	04-14-1998	Cook et al.	
		US-5,830,134	11-03-1998	Caputo et al.	
		US-6,007,775	12-28-1999	Yager	
		US-6,230,545	05-15-2001	Adolph et al.	
		US-6,528,318	03-04-2003	Miragliotta et al.	
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country - Number <sup>4</sup> -KindCode <sup>5</sup> Code <sup>3</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
Examiner Signature					Date Considered	

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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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<b>Substitute for form 1449A/PTO</b>				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Application Number</b>	10/760,438
				<b>Filing Date</b>	January 20, 2004
				<b>First Named Inventor</b>	Caibin Xiao
				<b>Art Unit</b>	
				<b>Examiner Name</b>	
<b>Sheet</b>	<b>2</b>	<b>of</b>	<b>2</b>	<b>Attorney Docket Number</b>	023054 076P2

<b>OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		STEWART, G. et al., "Referencing Systems for Evanescent Wave Sensors," <i>SPIE, FIBEROPTICS</i> , (1990), Vol. 1314, pp. 262-269	
		JAWAD, S.M. et al., "Optical Fibre Sensor for Detection of Hydrogen Cyanide in Air – Part 2. Theory and Design of an Automatic Detection System," <i>Analytica Chimica Acta</i> , (1991), Vol. 246, pp. 259-266, Elsevier Science Publishers B.V., Amsterdam	
		SLOVACEK R.E. et al., "Application of a Plastic Evanescent-Wave Sensor to Immunological Measurements of CKMB," <i>Sensors and Actuators</i> , (1995), B 29, pp. 67-71, Elsevier Science S.A.	
		KOSTOV, Y. et al., "Low-Cost Optical Instrumentation for Biomedical Measurements," <i>Review of Scientific Instruments</i> , (Dec. 2000), Vol. 71, No. 12, pp. 4361-4374, American Institute of Physics	
		ZOLOTOV, Y.A. et al., "Systems of Measurements and Registration," <i>Comprehensive Analytical Chemistry, Chemical Test Methods of Analysis</i> , (2002), pp. 119-138, Elsevier, NY	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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